

# WASTEWATER DISCHARGE APPLICATION

## PART A—GENERAL INFORMATION

For County Use Only

Date Received: \_\_\_\_\_

Map Grid Number: \_\_\_\_\_

Sewer Service Area: \_\_\_\_\_

Date discharge to commence: \_\_\_\_\_

A1. Discharger's Business Name: \_\_\_\_\_

Address of premises discharging wastewater

Street: \_\_\_\_\_

City: \_\_\_\_\_

Business Mailing Address

Street: \_\_\_\_\_

City: \_\_\_\_\_

A2. Chief Executive Officer

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Mailing Address

Street: \_\_\_\_\_

City: \_\_\_\_\_

A3. Person to be contacted about this application

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

A4. Person to be contacted in case of an emergency

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Day Phone: \_\_\_\_\_ Night Phone: \_\_\_\_\_

A5. Owner of the premises—Business Name: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

A6. CERTIFICATION: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

**PART B—BUSINESS DESCRIPTION**

B1. Business Activity—Complete a separate PART B for each major business activity occurring on the premises.

ACTIVITY \_\_\_\_\_

SIC CODE 

--	--	--	--

(a) Product/Service

Type of Product or Service	QUANTITIES					
	Past Calendar Year			Estimated This Calendar Year		
	Amount		Units	Amount		Units
	Avg	Max		Avg	Max	

(b) Description—Describe the wastewater generating operations. Include the type and amount of raw materials, catalysts, and intermediates. Indicate variations in production and operations during the year.

- (c) Substances Proposed to be Discharged—Give common and technical names of any materials or products proposed to be discharged to the wastewater sewer. Briefly describe the physical and chemical properties of each substance and product. Indicate quantity and discharge schedule.

NAME	DESCRIPTION	QUANTITY

B2. Discharge Period

- (a) Discharge occurs daily from \_\_\_\_\_ to \_\_\_\_\_
- (b) Circle the days of the week that the discharge occurs:  
S M T W T F S
- (c) If Batch Discharge Indicate:
- (1) Number of batch discharges per month: \_\_\_\_\_
- (2) Time of discharges: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, at \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(days of the week) (hours of the day)

B3. Variation of Operation

Indicate whether the business activity is continuous throughout the year or seasonal--Circle the months during which discharge occurs:

J F M A M J J A S O N D

- B4. Other liquid wastes—List the type and volume of liquid waste removed from the premises by means other than wastewater sewers and indicate disposal site.

DESCRIPTION	VOLUME (gal/mo)	REMOVED BY (Name and Address)	DISPOSAL SITE

- B5. List any environmental control permits held by or for this business: \_\_\_\_\_

## PART C—SCHEMATIC FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed product/service, showing all unit processes which generate wastewater. Number each unit process which discharges to the wastewater sewer. Use these numbers when showing unit processes in the building layout under PART D.

---

## **PART D—BUILDING LAYOUT**

Draw to scale the location of each building on the premises. Show the location of all water meters, numbered unit processes (from PART C), wastewater sewers, and each building sewer connected to the wastewater sewer. Number each building sewer and show possible sampling locations.

---

## PART E—WATER SOURCE AND USE

E1. Water Uses and Disposition—Average quantity of water received and wastewater discharged daily.

WATER USE	WATER AUTHORITY (1)	OTHER (2)		WASTEWATER SEWER	OTHER (3)	
	gal/day	gal/day	Source	gal/day	gal/day	Discharge to
Sanitary						
Processes						
Boiler						
Cooling						
Washing						
Product						
Other (4)						
TOTAL						

**NOTES:**

- (1) If water is supplied from a source other than the Fairfax County Water Authority, identify municipal water supplier; list billing name(s) and corresponding account number(s).
- (2) Enter the quantity and appropriate code letter indicating the source:  
a. well; b. creek; c. estuary; d. bay; e. stormwater; f. reclaimed water.
- (3) Enter the quantity and appropriate code letter indicating the discharge point or water loss:  
a. well; b. creek; c. estuary; d. bay; e. stormdrain; f. truck/rail/barge; g. evaporation; h. contained in product.
- (4) Describe: \_\_\_\_\_

---



---



---



---

E2. Number of Employees

	OFFICE		PRODUCTION (number of employees per shift)					
			DAY SHIFT		SWINGSHIFT		NIGHTSHIFT	
	Number	Hours	Number	Hours	Number	Hours	Number	Hours
WEEKDAY								
SATURDAY								
SUNDAY								

## PART F—BUILDING SEWER DISCHARGE

### F1. Wastewater Flow Rate

PEAK HOURLY gal/minute	MAXIMUM DAILY gal/day	ANNUAL DAILY AVERAGE gal/day	IF OPERATIONS ARE SEASONAL: AVERAGE DAILY (gallons/day)	
			Seasonal Min.	Seasonal Max.

### F2. Wastewater Constituents

- (a) Indicate if any of the following constituents, characteristics, or substances are, or can be, present in your discharge as a result of your operations.

☐ Algaecides\*  
☐ Aluminum  
☐ Ammonia  
☐ Barium  
☐ Boron  
☐ Bromide  
☐ Calcium  
☐ Chlorine  
☐ Cobalt  
☐ Fluoride  
☐ Formaldehyde

☐ Hydrocarbons\*  
☐ Iodine  
☐ Magnesium  
☐ Manganese  
☐ Molybdenum  
☐ Oil & Grease  
☐ pH Increase  
☐ pH Decrease  
☐ Phosphorus  
☐ Potassium  
☐ Radioactivity\*

☐ Sodium  
☐ Solvents\*  
☐ Sulfate  
☐ Sulfide  
☐ Surfactants MBAS  
☐ Temperature Increase  
☐ Temperature Decrease  
☐ Titanium  
☐ Tin  
☐ Vanadium  
☐ Volatile Acids

\* Identify chemical compounds or elements: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- (b) Specify for any constituent, characteristic, or substance identified under (a) above the process in which used and quantity proposed to be discharged to the wastewater sewer.

CONSTITUENT	PROCESS	QUANTITY

(c) Indicate if any of the following priority pollutants are or can be present in your discharge.

#### Aromatics

- ☐ Acenaphthene
- ☐ Benzene
- ☐ Ethylbenzene
- ☐ Fluoranthene
- ☐ Naphthalene
- ☐ 1,2-benzanthracene (benz[a]anthracene)
- ☐ 3,4-benzpyrene (benzo[a]pyrene)
- ☐ 3,4-benzofluoranthene
- ☐ 11,12-benzofluoranthene (benzo[k]fluoranthene)
- ☐ Chrysene
- ☐ Acenaphthylene
- ☐ Anthracene
- ☐ 1,12-benzoperylene (benzo[g,h,i]perylene)
- ☐ Fluorene
- ☐ Phenanthrene
- ☐ 1,2,5,6-dibenzanthracene (dibenz[a,h]anthracene)
- ☐ Ideno(1,2,3-c,d)pyrene (2,3-o-phenylenepylene)
- ☐ Pyrene
- ☐ Toluene

#### Substituted Aromatics

- ☐ Benzidine
- ☐ 3,3'-dichlorobenzidine
- ☐ 2,4-dinitrotoluene
- ☐ 2,6-dinitrotoluene
- ☐ 1,2-diphenylhydrazine
- ☐ Nitrobenzene
- ☐ 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)

#### Chlorinated Aromatics

- ☐ Chlorobenzene
- ☐ 1,2,4-trichlorobenzene
- ☐ Hexachlorobenzene
- ☐ 2-chloronaphthalene
- ☐ 1,2-dichlorobenzene
- ☐ 1,3-dichlorobenzene
- ☐ 1,4-dichlorobenzene

#### Chlorinated/Brominated Ethers

- ☐ Bis(chloromethyl) ether
- ☐ Bis(2-chloroethyl) ether
- ☐ 2-chloroethyl vinyl ether (mixed)
- ☐ 4-chlorophenyl ether
- ☐ 4-bromophenyl ether
- ☐ Bis(2-chloroisopropyl) ether
- ☐ Bis(2-chloroethoxy) methane

#### Chlorinated/brominated Alkanes

- ☐ Carbon tetrachloride (tetrachloromethane)
- ☐ 1,2-dichloroethane
- ☐ 1,1,1-trichloroethane
- ☐ Hexachloroethane
- ☐ 1,1-dichloroethane
- ☐ 1,1,2-trichloroethane
- ☐ 1,1,2,2-tetrachloroethane
- ☐ Chloroethane
- ☐ Chloroform (trichloromethane)
- ☐ 1,1-dichloroethylene
- ☐ 1,2-trans-dichloroethylene
- ☐ 1,2-dichloropropane
- ☐ 1,2-dichloropropylene
- ☐ Methylene chloride (dichloromethane)
- ☐ Methyl chloride (chloromethane)
- ☐ Methyl bromide (bromomethane)
- ☐ Bromoform (tribromomethane)
- ☐ Dichlorobromomethane
- ☐ Trichlorofluoromethane
- ☐ Dichlorodifluoromethane
- ☐ Chlorodibromomethane
- ☐ Hexachlorobutadiene
- ☐ Hexachlorocyclopentadiene
- ☐ Tetrachloroethylene
- ☐ Trichloroethylene
- ☐ Vinyl chloride (chloroethylene)

#### Pesticides

- ☐ Aldrin
- ☐ Dieldrin
- ☐ Chlordane
- ☐ 4,4'-DDT
- ☐ 4,4'-DDE (p,p'-DDX)
- ☐ 4,4'-DDD (p,p'-TDE))
- ☐ Alpha-endosulfan
- ☐ Beta-endosulfan
- ☐ Endosulfan sulfate
- ☐ Endrin
- ☐ Endrin aldehyde
- ☐ Heptachlor
- ☐ Heptachlor epoxide
- ☐ Alpha-BHC
- ☐ Beta-BHC
- ☐ Gamma-BHC
- ☐ Delta-BHC
- ☐ Toxaphene

## 2.(c) Contd.

Phthalate Esters

- ☐ Bis(2-ethylhexyl) phthalate  
☐ Butyl benzyl phthalate  
☐ Di-n-butyl phthalate  
☐ Di-n-octyl phthalate  
☐ Diethyl phthalate  
☐ Dimethyl phthalate

Phenols

- ☐ 2,4,6-trichlorophenol  
☐ Parachlorometacresol  
☐ 2-chlorophenol  
☐ 2,4-dichlorophenol  
☐ 2,4-dimethylphenol  
☐ 2-nitrophenol  
☐ 4-nitrophenol  
☐ 2,4-dinitrophenol  
☐ 4,6-dinitro-o-cresol  
☐ Pentachlorophenol  
☐ Phenol

Polychlorinated Biphenols

- ☐ PCB-1242 (Aroclor 1242)  
☐ PCB 1254 (Aroclor 1242)  
☐ PCB-1221 (Aroclor 1221)  
☐ PCB-1232 (Aroclor 1232)  
☐ PCB-1248 (Aroclor 1248)  
☐ PCB-1260 (Aroclor 1260)  
☐ PCB-1016 (Aroclor 1016)

Toxic Metals and Compounds\*

- ☐ Antimony  
☐ Arsenic  
☐ Beryllium  
☐ Cadmium  
☐ Chromium  
☐ Copper  
☐ Lead  
☐ Mercury  
☐ Nickel  
☐ Selenium  
☐ Silver  
☐ Thallium  
☐ Zinc

Miscellaneous

- ☐ Acrolein  
☐ Acrylonitrile  
☐ Isophorone  
☐ N-nitrosodimethylamine  
☐ N-nitrosodiphenylamine  
☐ N-nitrosodi-n-propylamine  
☐ Asbestos  
☐ Cyanide

\* The term "compounds" shall include organic and inorganic compounds.

- (d) Specify for any pollutant used, as identified under (c) above, the process using the pollutant and quantity proposed to be discharged to the wastewater sewer.

POLLUTANT	PROCESS	QUANTITY

POLLUTANT	PROCESS	QUANTITY

F3. Wastewater Strength Estimates—Enter the average annual and maximum wastewater strength for this building for each of the following constituents of wastewater strength.

CONSTITUENT	AVERAGE mg/L	MAXIMUM mg/L
Suspended Solids		
Phosphorus		
Nitrogen		
Biochemical Oxygen Demand		

Source of data: \_\_\_\_\_

#### F4. Pretreatment

(a) Is this facility subject to National Categorical Pretreatment Standards? Yes\_\_\_\_\_ No\_\_\_\_\_

(b) **Wastewater Pretreatment**—Check the type(s) of treatment of the wastewater, if any, prior to discharge to the wastewater sewer.

<input type="checkbox"/>	none
<input type="checkbox"/>	grease trap
<input type="checkbox"/>	holding tank
<input type="checkbox"/>	oil-water separator

- ☐ grinding
- ☐ sedimentation
- ☐ pH adjustment
- ☐ biological treatment

<input type="checkbox"/>	screening
<input type="checkbox"/>	chlorination
<input type="checkbox"/>	ion exchange
<input type="checkbox"/>	alkali precipitation

☐ other, specify: \_\_\_\_\_

(c) **Description of Treatment Facility**—Describe the loading rates, design capacity, physical size, etc., of each pretreatment facility checked under (b) above.

[illegible]

- (d) **Planning Wastewater Pretreatment Improvements**—Describe any change in treatment or disposal methods planned or under construction for the wastewater conveyed by the building sewer.

[illegible]

## INSTRUCTIONS FOR COMPLETION OF THE WASTEWATER DISCHARGE APPLICATION

**Signature on the Application.** The Application must be signed by an Authorized Representative of the industrial user. An Authorized Representative is defined as follows:

- If the industrial user is a corporation: 1) the president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or 2) the manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been delegated to the manager in accordance with corporate procedures.
- If the industrial user is a partnership or sole proprietorship: a general partner or the proprietor.
- If the industrial user is a federal, state or local government: a director or the highest official appointed or designated to oversee the operation and performance of the activities of the government facility or other public agency.
- The individuals described above may designate another representative if the authorization is in writing, the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company, and the written authorization has been submitted to and approved by the County.

**Attachments and Supplemental Information.** Where a separate sheet is necessary, identify the Business Name, Application Part letter and question number to which it refers.

**Use of the Information.** Except as specified below, all information contained in the Application will, upon request, be made available to the public for inspection and copying. A separate sheet entitled "CONFIDENTIAL BUSINESS INFORMATION" must be used to set out information which the industry believes if disclosed to the general public would divulge methods and processes entitled to protection as trade secrets. Confidential treatment can only be considered for information for which a specific written request has been made on the attached sheet. However, in no event will identification of the contents, volume, and frequency of a discharge to the wastewater sewer be recognized as confidential or privileged information.

**Completion of the Application.** Each item in the Application must be answered. To indicate that each item has been considered, enter "NA," for not applicable, where a particular item does not fit the circumstance of your operation or business activity. Where business discharge is exclusively from sanitary conveyances (washrooms, toilet rooms, and the like) complete the following:

- Part A
- Parts B1 (under B1.(b) record "Building discharge is exclusively from sanitary conveyances"), B4 and B5.
- Parts E1 and E2.

**Application Submittal Address.** Submit the completed Application to the following address:

The Industrial Waste Section  
Noman M. Cole, Jr. Pollution Control Plant  
9399 Richmond Highway  
P. O. Box 268  
Lorton, Virginia 22199-0268

**Questions Regarding the Application.** Please direct any questions you may have regarding the Application to the Industrial Waste Section, telephone number (703) 550-9740, ext. 252.